

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A microporous polyolefin film that comprises polyethylene and polypropylene as essential components and is composed of a laminate film of ~~two or more~~ three layers, wherein the percentage of polypropylene blended in at least one surface layer of the film is more than 50% by weight and 95% or less, the intermediate layer is a polyethylene single layer film and the content of polyethylene in the entire film is 50% or more and 95% or less.

2-3. (Canceled)

4. (Currently Amended) The microporous polyolefin film according to claim 1, ~~2, 3 or 18~~, wherein each of the layers that make up the laminate film has a three-dimensional network.

5. (Currently Amended) The microporous polyolefin film according to claim 1, ~~2, 3 or 18~~, wherein the proportion of the thickness of the layer in which the percentage of propylene blended is more than 50% by weight and 95% or less is 1.5% or more and 35% or less of the entire film thickness.

6. (Currently Amended) The microporous polyolefin film according to claim 1, ~~2, 3 or 18~~, wherein the average pore diameter is 0.02 μm or more and 1 μm or less.

7. (Currently Amended) The microporous polyolefin film according to claim 1, ~~2, 3 or 18~~, wherein the shutdown temperature at the time of high speed heat-up

is lower than 150°C and the short-circuit temperature at the time of high speed heat-up is 190°C or higher.

8. (Currently Amended) The microporous polyolefin film according to claim 1, ~~2, 3 or 18~~, wherein the high temperature puncture strength is 0.005 N/ μ m or more.

9. (Currently Amended) A lithium-ion battery separator, comprising a microporous polyolefin film that comprises polyethylene and polypropylene as essential components and is composed of a laminate film of ~~two or more~~ three layers, wherein the percentage of polypropylene blended in at least one surface layer of the film is more than 50% by weight and 95% or less, the intermediate layer is a polyethylene single layer film and the content of polyethylene in the entire film is 50% or more and 95% or less.

10-11. (Canceled)

12. (Currently Amended) The lithium-ion battery separator according to claim 9, ~~10, 11 or 19~~, wherein each of the layers that make up the laminate film has a three-dimensional network.

13. (Currently Amended) The lithium-ion battery separator according to claim 9, ~~10, 11 or 19~~, wherein the proportion of the thickness of the layer in which the percentage of propylene blended is more than 50% by weight and 95% or less is 1.5% or more and 35% or less of the entire film thickness.

14. (Currently Amended) The lithium-ion battery separator according to claim 9, ~~10, 11 or 19~~, wherein the average pore diameter of the microporous polyolefin film is 0.02 μ m or more and 1 μ m or less.

15. (Currently Amended) The lithium-ion battery separator according to claim 9, 10, 11 or 19, wherein the shutdown temperature at the time of high speed heat-up is lower than 150°C and the short-circuit temperature at the time of high speed heat-up is 190°C or higher.

16. (Currently Amended) The lithium-ion battery separator according to claim 9, 10, 11 or 19, wherein the high temperature puncture strength of the microporous polyolefin film is 0.005 N/ μ m or more.

17. (Original) A lithium-ion battery separator, comprising a microporous polyolefin film whose degree of blackening is 5% or less.

18-19. (Canceled)

20. (New) A microporous polyolefin film according to claim 1 wherein both surface layers of the film contain more than 50% by weight and 95% by weight or less polypropylene.

21. (New) A lithium-ion battery separator according to claim 9 wherein both surface layers of the film contain more than 50% by weight and 95% by weight or less polypropylene.